Modified

DETAILED ESTIMATE FOR CONSTRUCTION OF FIRST FLOOR OFFICE FOR AEE(YESHWANTHAPUR) AT JP PARK SWIMMING POOL PARKING AREA IN J P PARK WARD NO -17

Sl.No	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
	CIVIL WORK FIRST FLOOR								
1	Providing and laying cement concrete using 20mm & down size granite coarse aggregate and fine aggregates of **ready mixed concrete(RMC)** for RCC works laid in 15cms thick layers and well compacted including vibrating, curing etc., including smooth finish in CM 1:3, with all lead and lift etc, complete (exclusive of cost of steel and fabrication charges) Ready mix concrete for Beams. columns, staircase and roof with M-30 (Cement - 360 kg/cum) (PWD - P-19,-I-4.49.3)								
	For columns	Cmt	19	0.30	0.45	3.50	8.98		
	for lift columns		4	0.30	0.45	3.50	1.89		
	For beams		3	18.00	0.30	0.45	7.29		
			6	12.00	0.30	0.45	9.72		
			3	6.00	0.30	0.45	2.43		
	For roof slab		1	18.40	12.20	0.15	33.67		
			1	8.00	3.30	0.15	3.96		
	staircase		1	5.50	2.50	0.15	2.06		
	midlanding		2	3.50	1.20	0.15	1.26		
	midlanding to roof slab		1	2.40	1.20	0.15	0.43		
	For steps		2	3.50	1.20	0.15	1.26		
	lift walls		25	1.20	0.30	0.15	1.35		
			1	8.00	0.20	3.50	5.60		
		BOQ	**38.87**				**79.90**		
				Qty. Upto 125% of BOQ			**48.59**	6998.00	**340,015.00**
				Qty. Beyond 125% of BOQ			**31.32**	6998.00	**219,153.00**
2	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (Steel=1.075Qtl) (PWD -P-17-I-4.46.3)								
	@120kgs/cmt	Qtl					9,588.48		
		BOQ	**54.42**				**95.88**		
				Qty. Upto 125% of BOQ			**68.03**	7605.00	**517,330.00**
				Qty. Beyond 125% of BOQ			**27.86**	7605.00	**211,874.00**
3	Providing and laying in position reinforced cement concrete of mix M20 with 12mm and down size graded granite metal, machine mixed, well compacted for chajja of 7.5cms average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.(PWD - P-14,-I-4.20)								
		Smt	7	1.50	0.60		6.30		
			2	1.00	0.60		1.20		
		BOQ	**9.66**				**7.50**	429.00	**3,218.00**
4	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. (PWD - P-16, I-4.32)								
	For Columns	Smt	19	1.50		3.50	99.75	368.00	36,708.00
		BOQ	**92.23**						
5	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWD - P-15, I-4.18)								
	For Roof Slab	Smt	1	18.40	12.20		224.48		
			1	8.00	3.50		28.00		
		BOQ	**121.02**				**252.48**		
				Qty. Upto 125% of BOQ			**151.28**	386.00	**58,392.00**
				Qty. Beyond 125% of BOQ			**101.21**	386.00	**39,065.00**
6	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunching cantilever girders bressummer and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification. (PWD - P-17, I-4.34)								
			3	18.00		0.90	48.60		

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N	Description	Unit	No.	Measurements Length	Width	Depth	Quantity	PWD Rates	Amount
			6	12.00		0.90	64.80		
		BOQ	65.39				113.40		
				Qty. Upto 125% of BOQ			81.74	272.00	22,233.00
				Qty. Beyond 125% of BOQ			31.66	272.00	8,612.00
7	KSRB 4-6.11 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specification.(PWD - P-17, I-4.34)								
		Cmt	1	4.00	1.35		5.40		
			2	4.00	0.30		2.40		
			1	3.00	1.50		4.50		
			2	3.00	0.15		0.90		
			2	1.50	0.15		0.45		
			1	4.00	1.35		5.40		
			2	4.00	0.30		2.40		
			2	1.35	0.30		0.81		
			24	1.35	0.30		9.72		
		BOQ	32.06				31.98	504.00	16,117.92
8	Providing and removing centering, shuttering, strutting, propping etc., **for chajjas**, corbels etc., including edges including cost of all materials, labour complete as per specification. (PWD - P-16, I-4.37)								
		Smt	7	1.50	0.60		6.30		
			2	1.00	0.60		1.20		
		BOQ	12.81				7.50	276.00	2,070.00
9	Providing and constructing precast concrete **solid blocks with compressive strength not less than 35kg/sqm with C.M 1:4** masonary (quoin, jamb, closer blocks) with solid concrete blocks of **size 40x20x20cms** conforming to IS:2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.(PWD - P- 25 - I - 5.34)								
	Alround wall	Cmt	1	18.00		3.30	59.40		
			1	12.50		3.30	41.25		
			1	11.00		3.30	36.30		
	Paritions		1	50.00		1.50	75.00		
	Internal walls		1	12.00		3.40	40.80		
	Deduction Door D2		2	0.90		2.10	-3.78		
	Window W		7	1.50		1.20	-12.60		
	R/s		1	2.50		3.00	-7.50		
		BOQ	144.15				228.87		
				Qty. Upto 125% of BOQ			180.19	953.00	171,719.00
				Qty. Beyond 125% of BOQ			48.68	953.00	46,394.00
10	KSRB 5-15 : Providing and constructing non-load bearing wall with cement concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1 :4 (Jamb, closer blocks) with blocks of size 40x10x20cms. (LxBxH) conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. PWD (P- 28,-I - 5.28) .								
	Toilet wall	Cmt	4	3.50		3.50	49.00		
							49.00		
		BOQ	3.63						
				Qty. Upto 125% of BOQ			4.54	683.00	3,099.00
				Qty. Beyond 125% of BOQ			44.46	683.00	30,368.00
15	KSRB15-3.1 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (PWD - P - 112 - I -15.9)								
	Internal walls		1	20.00		3.50	70.00		
			4	12.50		3.40	170.00		
	Partions		2	50.00		1.50	150.00		
	Deduction Door D2		2	0.90		2.10	-3.78		
	Window W		7	1.50		1.20	-12.60		
	R/s		1	2.50		3.00	-7.50		
		BOQ	124.83				366.12		
				Qty. Upto 125% of BOQ			156.04	165.00	25,746.00
				Qty. Beyond 125% of BOQ			210.08	165.00	34,664.00

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	Description	Unit	No.	Measurements			Quantity	PWD Rates	Amount
				Length	Width	Depth			
3	KSRB 7.5: Providing and fixing pull and push type rolling shutters of approved make out of 18 gauge, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4 Nos, handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM of machinery complete as per specifications.Shutter size 3mx2.8m Specification No. KBS 7.10 / 7.12 (PWD - P- 36 - I -7.5)								
	Rolling Shutter RS1	Smt	1	2.80		3.00	8.40		
	Total for Non tender items						8.40	2,930.52	24,616.37
	Miscellaneous								71,253.53
	GRAND TOTAL								2,071,704.11
									2,071,836.00
									(131.89)

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TECHNICAL SANCTION

Rs: 19,95,000/- (Nineteen Lakhs ninetyfive thousand only) is accorded under the head: P-2434.

By CE(R.R.N.): SL: 111

Registered as CE (R.R.N) No: Pg-26-27 subject to conditions contained in enclosed memo No: TS/111/28/6/16 Date: 28/6/16

TA/AE

CE (R.R.N.)

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